

Abstract

To make it possible to produce low-alkali materials with a high purity and homogeneity, the invention provides a process
5 for producing a borate-containing, low-alkali material, in which a boron-containing melting material is induction-heated directly in an appliance using an alternating electromagnetic field, and in which the melting material as a constituent includes at least one metal oxide, the metal ions of which
10 have a valency of at least two, in a quantitative proportion of at least 25 mol%, and in which the ratio of the molar substance quantities of silicon dioxide to borate in the melting material is less than or equal to 0.5.